

1-30-04

"Express Mail" mailing label number: EL985922311US

Date of Deposit: JAN 28 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, PO Box 1450, Arlington, VA 22313-1450.

Typed or Printed Name of Person Mailing Paper or Fee: LINDA CARTRELL

Signature: Linda Cartrell

PATENT
Docket No.: P1535

**IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: JEFFERY MING-JER YANG ET AL. SERIAL NO.: 10/632,683

FILED: AUGUST 1, 2003 EXAMINER: UNKNOWN

ART UNIT: 2817

TITLE: ASYMMETRIC, OPTIMIZED COMMON-SOURCE
BI-DIRECTIONAL AMPLIFIER

**COMMISSIONER FOR PATENTS
PO BOX 1450
ARLINGTON, VA 22313-1450**

TRANSMITTAL LETTER

Dear Sir:

In connection with the above-referenced patent application, transmitted herewith are the following:

1. Information Disclosure Statement (1 page);
2. Information Disclosure Statement Form PTO/SB/08 (2 pages);
3. Copy of Reference No.1 (5 pages);
4. Copy of Reference No. 2 (15 pages);
5. Copy of Reference No. 3 (5 pages);
6. Copy of Reference No. 4 (4 pages);

7. Copy of Reference No. 5 (5 pages);
8. Copy Of Reference No. 6 (2 pages); and
9. Post card in acknowledgment of receipt of all transmitted material.

Please date-stamp the enclosed post card and return same to the undersigned in acknowledgment of receipt of all transmitted material.

Respectfully submitted,



Robert E. Kasody
Reg. No. 50,268

REK/khg

Date: _____

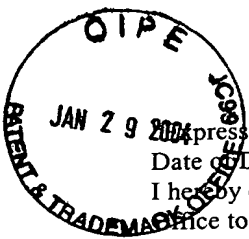
1/28/2004

LARIVIERE, GRUBMAN & PAYNE, LLP

Post Office Box 3140

Monterey, CA 93942

(831) 649-8800



Express Mail" mailing label number: EL985922311US

Date of Deposit: JAN 28, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, PO Box 1450, Arlington, VA 22313-1450.

Typed or Printed Name of Person Mailing Paper or Fee: Linda Cantrell

Signature: Linda Cantrell

PATENT
Docket No.: P1535

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: JEFFERY MING-JER YANG ET AL. SERIAL NO.: 10/632,683

FILED: AUGUST 1, 2003

EXAMINER: UNKNOWN

ART UNIT: 2817

TITLE: ASYMMETRIC, OPTIMIZED COMMON-SOURCE
BI-DIRECTIONAL AMPLIFIER

COMMISSIONER FOR PATENTS
PO BOX 1450
ARLINGTON, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant hereby makes available the referenced patents listed on form PTO/SB/08, Information Disclosure Statement by Applicant to assist the Patent and Trademark Office in its examination of this application.

This disclosure of the reference does not constitute an admission that it is relevant or material to the claims or is "prior art" to the subject application. No representation is made that better references do not exist.

Complete copies of the referenced art are enclosed.

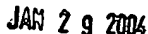
Respectfully submitted,

Robert E. Kasody
Reg. No. 50,268

REK/khg

Dated: 1/28/2004

LARIVIERE, GRUBMAN & PAYNE, LLP
Post Office Box 3140
Monterey, CA 93942
(831) 649-8800



Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet 1

of 2

Complete if Known

Application Number	10/632,683
--------------------	------------

Filing Date	August 1, 2003
-------------	----------------

First Named Inventor	J. Ming-Jer Yang
----------------------	------------------

Art Unit	2817
----------	------

Examiner Name	unassigned
---------------	------------

Attorney Docket Number	P1535
------------------------	-------

U. S. PATENT DOCUMENTS

5
15
5
4
5

FOREIGN PATENT DOCUMENTS

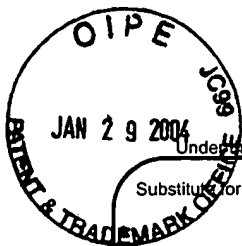
[illegible]

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of

2

Application Number

10/632,683

Filing Date

08/01/03

First Named Inventor

J. Ming-Jer Yang

Art Unit

2817

Examiner Name

unassigned

Attorney Docket Number

P1535

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		JM YANG ET AL, GaAs Bi-Directional Amplifier for Low Cost Electronic Scanning Array Antenna; IEEE GaAs Digest; 04/03, pp 129-130; USA	
		KI YOUNG KIM ET AL., Cellular/PCS Dual-Band MMIC Power Amplifier of a Newly Devised Single-Input Single-Chain Network; IEEE GaAs Digest; 04/03, pp 129-130; USA	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.